

RAW SEQUENCE LISTING

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Application Serial Number: 09/641,808
Source: FW/6
Date Processed by STIC: 1/21/05

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IFW16

RAW SEQUENCE LISTING

DATE: 01/21/2005

PATENT APPLICATION: US/09/641,808

TIME: 15:36:35

Input Set : A:\45312201.app

Output Set: N:\CRF4\01212005\I641808.raw

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3 <110> APPLICANT: BELFORT, MARLENE
4     BELFORT, GEORGES
5     DERBYSHIRE, VICKY
6     WOOD, DAVID
7     WU, WEI
9 <120> TITLE OF INVENTION: GENETIC SYSTEM AND SELF-CLEAVING INTEINS DERIVED
10    THEREFROM, BIOSEPARATIONS AND PROTEIN PURIFICATION
11    EMPLOYING SAME, AND METHODS FOR DETERMINING CRITICAL,
12    GENERALIZABLE AMINO ACID RESIDUES FOR VARYING
14 <130> FILE REFERENCE: 454311-2201.1
16 <140> CURRENT APPLICATION NUMBER: 09/641,808
17 <141> CURRENT FILING DATE: 2000-08-17
19 <150> PRIOR APPLICATION NUMBER: 60/149,257
20 <151> PRIOR FILING DATE: 1999-08-17
22 <160> NUMBER OF SEQ ID NOS: 26
24 <170> SOFTWARE: PatentIn Ver. 3.3
26 <210> SEQ ID NO: 1
27 <211> LENGTH: 7
28 <212> TYPE: PRT
29 <213> ORGANISM: Artificial Sequence
31 <220> FEATURE:
32 <223> OTHER INFORMATION: Description of Artificial Sequence: Illustrative
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37 1           5
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45 <220> FEATURE:
46 <223> OTHER INFORMATION: Description of Artificial Sequence: Illustrative
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51 1           5
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56 <212> TYPE: PRT
57 <213> ORGANISM: Artificial Sequence
59 <220> FEATURE:
60 <223> OTHER INFORMATION: Description of Artificial Sequence: Illustrative
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63 <400> SEQUENCE: 3
64 Cys Arg Ala Met Gly
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74 <223> OTHER INFORMATION: Description of Artificial Sequence: Illustrative
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78 Met Ile Glu Gln Asp
79   1           5
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83 <211> LENGTH: 19
84 <212> TYPE: PRT
85 <213> ORGANISM: Foot-and-mouth disease virus
87 <400> SEQUENCE: 5
88 Leu Leu Asn Phe Asp Leu Leu Lys Leu Ala Gly Asp Val Glu Ser Asn
89   1           5           10           15
91 Pro Gly Pro
95 <210> SEQ ID NO: 6
96 <211> LENGTH: 8
97 <212> TYPE: DNA
98 <213> ORGANISM: Artificial Sequence
100 <220> FEATURE:
101 <223> OTHER INFORMATION: Description of Artificial Sequence: Illustrative
102     polynucleotide sequence
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105 agtcagtc                                     8
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111 <213> ORGANISM: Artificial Sequence
113 <220> FEATURE:
114 <223> OTHER INFORMATION: Description of Artificial Sequence: Illustrative
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121 <210> SEQ ID NO: 8
122 <211> LENGTH: 19
123 <212> TYPE: PRT
124 <213> ORGANISM: Foot-and-mouth disease virus
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128   1           5           10           15
130 Pro Gly Pro
134 <210> SEQ ID NO: 9
135 <211> LENGTH: 9

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Input Set : A:\45312201.app

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136 <212> TYPE: PRT
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 140 Phe Thr Cys Asn Ala Thr His Glu Leu
 141 1 5
 144 <210> SEQ ID NO: 10
 145 <211> LENGTH: 9
 146 <212> TYPE: PRT
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 150 Phe Ala Ala Thr Pro Asn His Leu Ile
 151 1 5
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 156 <212> TYPE: PRT
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 159 <400> SEQUENCE: 11
 160 Val Thr Gly Thr Ala Asn His Pro Leu
 161 1 5
 164 <210> SEQ ID NO: 12
 165 <211> LENGTH: 9
 166 <212> TYPE: PRT
 167 <213> ORGANISM: Pyrococcus sp.
 169 <400> SEQUENCE: 12
 170 Ile Thr Ile Thr Glu Gly His Ser Leu
 171 1 5
 174 <210> SEQ ID NO: 13
 175 <211> LENGTH: 9
 176 <212> TYPE: PRT
 177 <213> ORGANISM: Porphyra purpurea
 179 <400> SEQUENCE: 13
 180 Leu Glu Leu Thr Ser Asn His Lys Ile
 181 1 5
 184 <210> SEQ ID NO: 14
 185 <211> LENGTH: 9
 186 <212> TYPE: PRT
 187 <213> ORGANISM: Mycobacterium tuberculosis
 189 <400> SEQUENCE: 14
 190 Val Trp Ala Thr Pro Asp His Lys Val
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 194 <210> SEQ ID NO: 15
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 197 <213> ORGANISM: Caenorhabditis elegans
 199 <400> SEQUENCE: 15
 200 Leu Arg Ile Thr Ser Arg His Phe Met
 201 1 5
 204 <210> SEQ ID NO: 16
 205 <211> LENGTH: 9

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Input Set : A:\45312201.app

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206 <212> TYPE: PRT
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 215 <211> LENGTH: 9
 216 <212> TYPE: PRT
 217 <213> ORGANISM: Xenopus laevis
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 224 <210> SEQ ID NO: 18
 225 <211> LENGTH: 19
 226 <212> TYPE: PRT
 227 <213> ORGANISM: Saccharomyces cerevisiae
 229 <400> SEQUENCE: 18
 230 Asp Tyr Tyr Gly Ile Thr Leu Ser Asp Asp Ser Asp His Gln Phe Leu
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 233 Leu Ala Asn
 237 <210> SEQ ID NO: 19
 238 <211> LENGTH: 18
 239 <212> TYPE: PRT
 240 <213> ORGANISM: Mycobacterium leprae
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 243 Ser Met Asn Arg Phe Asp Ile Glu Val Glu Gly Asn His Asn Tyr Phe
 244 1 5 10 15
 246 Val Asp
 250 <210> SEQ ID NO: 20
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 252 <212> TYPE: PRT
 253 <213> ORGANISM: Mycobacterium xenopi
 255 <400> SEQUENCE: 20
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 257 1 5 10 15
 259 Ile Thr Asn
 263 <210> SEQ ID NO: 21
 264 <211> LENGTH: 18
 265 <212> TYPE: PRT
 266 <213> ORGANISM: Pyrococcus sp.
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 270 1 5 10 15
 272 Ala Gly
 276 <210> SEQ ID NO: 22
 277 <211> LENGTH: 18
 278 <212> TYPE: PRT
 279 <213> ORGANISM: Porphyra purpurea
 281 <400> SEQUENCE: 22

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282 Phe Gln Asn Val Phe Asp Phe Ala Ala Asn Pro Ile Pro Asn Phe Ile
283   1           5           10           15
285 Ala Asn
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291 <212> TYPE: PRT
292 <213> ORGANISM: Mycobacterium tuberculosis
294 <400> SEQUENCE: 23
295 Arg Ala Arg Thr Phe Asp Leu Glu Val Glu Glu Leu His Thr Leu Val
296   1           5           10           15
298 Ala Glu
302 <210> SEQ ID NO: 24
303 <211> LENGTH: 16
304 <212> TYPE: PRT
305 <213> ORGANISM: Caenorhabditis elegans
307 <400> SEQUENCE: 24
308 Thr Gly Ile Tyr Ser Pro Leu Thr Asn Asn Gly Arg Ile Ile Val Asn
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314 <212> TYPE: PRT
315 <213> ORGANISM: Drosophila melanogaster
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324 <212> TYPE: PRT
325 <213> ORGANISM: Xenopus laevis
327 <400> SEQUENCE: 26
328 Thr Gly Ala Tyr Ala Pro Leu Thr Ala His Gly Thr Val Val Ile Asp
329   1           5           10           15

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